

Title: ARRANGEMENT FOR A PLAYGROUND FOR CHILDREN.

BACKGROUND OF THE INVENTION

5 The present invention relates to a playground for children, which comprises a playhouse, a chute and a flight of steps.

Such an arrangement is known from US Patent No. 5,816,980.

10 This known arrangement consists of a playhouse section, a tower section and of a connecting or tunnel section. The section comprising the playhouse and the tower is embodied with a number of cut-outs, which arrangement - among other things - enables the joining of the two sections and the attachment of chutes.

15 This known arrangement is complicated to erect and therefore expensive to produce.

SUMMARY OF THE INVENTION

20 It is a purpose of the present invention to describe an arrangement of the said kind, which is considerably more simple in its embodiment and consequently cheaper to produce.

25 This is achieved by embodying the arrangement as an internally hollow object, preferably of a synthetic material which, for instance, can be given the shape of a mountain top with a circumferential edge at the bottom, which is mainly in one plane, and which rests on the ground. The object is embodied with windows and one or more doorways and the internal hollow space constitutes the playhouse. A chute and a flight of steps are embodied in the upper side of the object, and there are means to secure the object to the surface of the ground.

In a further embodiment, the object is made of glass

fibre reinforced polyester or epoxy, which is cast over an internal mold, whereby a thin shell is produced, which internal mold is cast over a model of the finished object to which has been applied a parting agent.

5 In another embodiment, walking areas outside the chute are embodied with a skid proof surface, which can be achieved by making the upper side of the model smooth at the areas where the object is to be smooth - preferably a chute - and giving all other areas a skid proof surface.

10 In another embodiment, special means are provided for the attachment of an arrangement according to the invention to the surface of the ground, so that it can withstand influences, especially wind pressure.

15 A further embodiment involves supplementary use of a holding device such as a mast for an arrangement according to the invention.

BRIEF DESCRIPTION OF THE DRAWINGS

20 The invention is explained in detail below with reference to the drawing, in which

Fig. 1 is a perspective view of an arrangement according to the invention;

Fig. 2 shows an illustration corresponding to the one in Fig. 1 seen from another angle;

25 Fig. 3 shows a section through an arrangement according to the invention;

Fig. 4 shows a model for the production of an internal mold; and

Fig. 5 shows an internal mold for the production of an object for an arrangement according to the invention.

DESCRIPTION OF THE PREFERRED EMBODIMENTS

As shown in the drawings, an arrangement according to the invention is embodied as an internally hollow object 1, which is preferably produced of a synthetic material. The object can have the shape of a mountain top and have a circumferential edge 2 at the bottom, which in the main is in one plane and rests on the surface of the ground.

The object 1 is embodied with windows 3 and with one or more doorways 4. The internal hollow space 5 constitutes a playhouse. The top side surface of the object 1 is embodied with one or more chutes 6 and with one or more flights of steps 7, and one of the sides can be embodied as a climbing wall incorporating hand and foot holds.

The object 1 can be made of glass fiber reinforced polyester or of epoxy, which is cast over an internal mold 9, which is cast over a model 8 of the finished object 1, and which is given a parting agent. The internal mold 9 is embodied with not shown supporting organs. The final product is a thin shell 10.

Walking areas outside a chute 6 can be embodied with a skid proof surface, which can be produced by giving the top surface of the model 8 a smooth finish at the places where the object 1 is to be smooth - as at the chutes 6 - and skid proof all the other places.

As the object 1 is a light construction it is necessary to attach it to the ground surface so that it can withstand influences from wind pressure.

To keep the object 1 in its place, a vertical or approximately vertical mast 11 can be used, which can be made of steel, aluminum or glass fiber, and which is carried through hole 12 at the top of the object 1 and secured in the ground, for instance in a foundation block 13. To prevent the object 1 from turning around the mast 11 the object can - if

necessary - be further secured by one or more anchors 14, which can be carried through openings along the edge 2 of the object 1, and which are rammed down into the ground.

As shown, the mast 11 has at its upper end a free height h above the top of the object 1. At its upper end, the mast 11 can be attached to one end 15 of a horizontal bar 16, whose other end is attached to a vertical post 17. This combination results in a frame for one or more swings 18. There can furthermore be a rope 19 attached to the upper end of the mast 11. The rope 19 is attached at its other end to a support, which can be a pole 20, which is rammed down into the ground. This then constitutes an aerial ropeway. The bar 16 and the rope 19 serve as additional stabilization of the mast 11.